2006691-0002.txt

SEQUENCE LISTING

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<110> BRISSON, et al.
<120> PLANT TRANSCRIPTIONAL ACTIVATOR AND USES
      THEREOF
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Asn Leu Gln Asn Pro Thr Lys Thr Ser Tyr Leu Ser Phe Ser Ser Ser
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Ile Asn Thr Ile Phe Ala Pro Leu Ser Ser Asn Thr Thr Lys Ser Phe
                              40
Ser Gly Leu Thr His Lys Ala Ala Leu Pro Arg Asn Leu Ser Leu Thr
    50
Cys Arg His Ser Asp Tyr Phe Glu Pro Gln Gln Gln Gln Gln Gln Gln 65 70 75 80
                     7Ó
Gln Gln Gln Pro Gln Gly Ala Ser Thr Pro Lys Val Phe Val Gly Tyr
85 90 95
Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val Glu Pro Arg Ser Pro
100 105 110
Glu Phe Ser Pro Leu Asp Ser Gly Ala Phe Lys Leu Ser Arg Glu Gly
115 120 125
Met Val Met Leu Gln Phe Ala Pro Ala Ala Gly Val Arg Gln Tyr Asp
                                               140
                          135
Trp Ser Arg Lys Gln Val Phe Ser Leu Ser Val Thr Glu Ile Gly Ser
                                                                 160
                     150
Ile Ile Ser Leu Gly Ala Lys Asp Ser Cys Glu Phe Phe His Asp Pro
165 170 175
Asn Lys Gly Arg Ser Asp Glu Gly Arg Val Arg Lys Val Leu Lys Val
Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe Asn Leu Ser Val Gln
                              200
                                                    205
Asn Lys Leu Ile Asn Leu Asp Glu Asn Ile Tyr Ile Pro Val Thr Lys 210 220
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Ala Glu Phe Ala Val Leu Val Ser Ala Phe Asn Phe Val Met Pro Tyr 225 230 235 240
Leu Leu Gly Trp His Thr Ala Val Asn Ser Phe Lys Pro Glu Asp Ala
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Asn Arg
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Arg Phe Leu Ser Ser Ser Val Leu Val Thr Gly Gly Phe Ala Val
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Lys Arg His Gly Phe Ala Leu Lys Pro Thr Thr Lys Thr Val Lys Leu
                             4Ó
Phe Ser Val Lys Ser Arg Gln Thr Asp Tyr Phe Glu Lys Gln Arg Phe
    50
                         55
Gly Asp Ser Ser Ser Ser Pro Ser Pro Ala Glu Gly Leu Pro Ala Arg
65 70 75 80_
Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val
85 90 95
Asp Pro Arg Ala Pro Glu Phe Val Ala Leu Asp Ser Gly Ala Phe Lys
                                                      110
                                 105
            100
Leu Ser Lys Asp Gly Phe Leu Leu Leu Gln Phe Ala Pro Ser Ala Gly
        115
                             120
Val Arg Gln Tyr Asp Trp Ser Lys Lys Gln Val Phe Ser Leu Ser Val
                         135
                                              140
Thr Glu Ile Gly Thr Leu Val Ser Leu Gly Pro Arg Glu Ser Cys Glu
                                          155
                                                               160
                    150
145
Phe Phe His Asp Pro Phe Lys Gly Lys Ser Asp Glu Gly Lys Val Arg
                                     170
                                                           175
Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe
            180
                                 185
Asn Leu Ser Val Gln Asn Lys Leu Val Asn Val Asp Glu Ser Ile Tyr
                             200
                                                  205
        195
Ile Pro Ile Thr Arg Ala Glu Phe Ala Val Leu Ile Ser Ala Phe Asn
210 215 220 ____
Phe Val Leu Pro Tyr Leu Ile Gly Trp His Ala Phe Ala Asn Ser 235
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Lys Pro Glu Glu Thr Ser Arg Val Asn Asn Ala Ser Pro Asn
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Gly Asp Tyr Glu Trp Asn Arg
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                             40
Pro Ser Gly Arg Leu Phe Ala Pro Tyr Ser Ile Phe Lys Gly Lys Ala
                         55
Ala Leu Ser Val Glu Pro Val Leu Pro Ser Phe Thr Glu Ile Asp Ser
                     70
                                          75
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Gly Asn Leu Arg Ile Asp Arg Gly Ser Leu Met Met Thr Phe Met
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Pro Ala Ile Gly Glu Arg Lys Tyr Asp Trp Glu Lys Lys Gln Lys Phe
100 105 110
Ala Leu Ser Pro Thr Glu Val Gly Ser Leu Ile Ser Met Gly Ser Lys
                            120
                                                 125
        115
Asp Ser Ser Glu Phe Phe His Asp Pro Ser Met Lys Ser Ser Asn Ala
                        135
                                             140
    130
Gly Gln Val Arg Lys Ser Leu Ser Val Lys Pro His Ala Asp Gly Ser
                                         155
                    150
145
Gly Tyr Phe Ile Ser Leu Ser Val Asn Asn Ser Ile Leu Lys Thr Asn
                                     170
                165
Asp Tyr Phe Val Val Pro Val Thr Lys Ala Glu Phe Ala Val Met Lys
                                 185
            180
Thr Ala Phe Ser Phe Ala Leu Pro His Ile Met Gly Trp Asn Arg Leu
                            200
Thr Gly His Val Asn Thr Glu Ala Leu Pro Ser Arg Asn Val Ser His
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Phe Ile Asn His Lys Phe Ser Asp Ala Arg Phe Leu Ser Ser His Ser
Ile Leu Thr Ser Gly Gly Phe Ala Gly Lys Ile Ile Pro Leu Lys Pro
                                                 45
                            40
Thr Ala Arg Leu Lys Leu Thr Val Lys Ser Arg Gln Ser Asp Tyr Phe
                         55
    50
Glu Lys Gln Arg Phe Gly Asp Ser Ser Ser Gln Asn Ala Glu Val
65 70 75 80
Ser Ser Pro Arg Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala
                                     90
Ala Leu Thr Ile Glu Pro Arg Ala Pro Glu Phe Val Ala Leu Glu Ser
                                 105
            100
Gly Ala Phe Lys Leu Thr Lys Glu Gly Phe Leu Leu Leu Gln Phe Ala
                                                  125
                             120
Pro Ala Ala Gly Val Arg Gln Tyr Asp Trp Ser Arg Lys Gln Val Phe
                                              140
Ser Leu Ser Val Thr Glu Ile Gly Asn Leu Val Ser Leu Gly Pro Arg
                     150
Glu Ser Cys Glu Phe Phe His Asp Pro Phe Lys Gly Lys Gly Asp Glu
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170

220

235

240

Gly Lys Val Arg Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser 180 185 190

Gly Arg Phe Phe Asn Leu Ser Val Gln Asn Lys Leu Leu Asn Val Asp 195 200 205 Glu Ser Val Tyr Ile Pro Ile Thr Lys Ala Glu Phe Ala Val Leu Ile

Ser Ala Phe Asn Phe Val Leu Pro His Leu Ile Gly Trp Ser Ala Phe

Ala Asn Ser Ile Lys Pro Glu Asp Ser Asn Arg Leu Asn Asn Ala Ser

245 250 Pro Lys Tyr Gly Gly Asp Tyr Glu Trp Ser Arg

230

215

18Ŏ

210